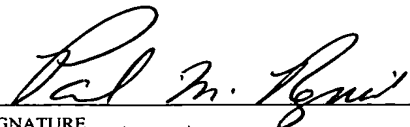


Form PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV 10-95) TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 0149-045207		
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/508871		
INTERNATIONAL APPLICATION NO. PCT/JP03/03401	INTERNATIONAL FILING DATE 20.03.03 (March 20, 2003)	PRIORITY DATES CLAIMED 25.03.02; 05.11.02; 21.01.03		
TITLE OF INVENTION <p style="text-align: center;">TITANIUM OXIDE PHOTOCATALYST, PROCESS FOR PRODUCING THE SAME AND APPLICATION</p>				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> APPLICANT(S) FOR DO/EO/US Katsumi OKADA, Katsuhiko NISHIHARA, Yasuhiro MASAKI, Haruhiko KAJIMURA, Michiyasu TAKAHASHI, Tadashi YAO, Tadashi OGASAWARA, Munetoshi WATANABE, Shinji SHIMOSAKI, Kouji ODA and Sadanobu NAGAOKA </td> <td style="width: 50%; vertical-align: top;"> Assignees: Sumitomo Titanium Corporation and Sumitomo Metal Industries, Ltd. </td> </tr> </table>			APPLICANT(S) FOR DO/EO/US Katsumi OKADA, Katsuhiko NISHIHARA, Yasuhiro MASAKI, Haruhiko KAJIMURA, Michiyasu TAKAHASHI, Tadashi YAO, Tadashi OGASAWARA, Munetoshi WATANABE, Shinji SHIMOSAKI, Kouji ODA and Sadanobu NAGAOKA	Assignees: Sumitomo Titanium Corporation and Sumitomo Metal Industries, Ltd.
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<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items And other information:</p> <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11. to 16. Below concern document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. <input checked="" type="checkbox"/> Other items or information: <ol style="list-style-type: none"> a. WO 03/080244 Front Page with Abstract and Search Report (4 pp.) 				

U.S. APPLICATION NO. 10/508871		INTERNATIONAL APPLICATION NO. PCT/JP03/03401		ATTORNEY'S DOCKET NUMBER 0149-045207	
17. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO..... \$920.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) \$730.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) But international search fee paid to USPTO (37 CFR 1.445(a)(2))..... \$770.00 Neither international preliminary examination fee (37 CFR 1.482) nor International search fee (37 CFR 1.445(a)(2)) paid to USPTO..... \$1080.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) And all claims satisfied provisions of PCT Article 33(2)-(4)..... \$100.00				CALCULATIONS PTO USE ONLY	
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$ 920.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	37 - 20 =	17	X \$18.00	\$ 306.00	
Independent claims	6 - 3 =	3	X \$86.00	\$ 258.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS =				\$ 1,614.00	
Reduction of 1/2 for filing by small entity, if applicable.				\$ 1,614.00	
SUBTOTAL =				\$ 1,614.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00	
TOTAL NATIONAL FEE =				\$ 1,614.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0.00	
TOTAL FEES ENCLOSED =				\$ 1,614.00	
				Amount to be: Refunded	\$
				Charged	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,614.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-0650</u>. A duplicate copy of this sheet is enclosed.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO: Russell D. Orkin 700 Koppers Building 436 Seventh Avenue Pittsburgh, Pennsylvania 15219-1818 Telephone: (412) 471-8815 Facsimile: (412) 471-4094</p> <div style="text-align: right; margin-top: 20px;">  SIGNATURE Paul M. Reznick NAME 33,059 RE059TRATION NUMBER </div>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

ATTORNEY'S DOCKET NUMBER

Katsumi OKADA et al.

0149-045207

PCT/JP03/03401

ENTITLED

**"TITANIUM OXIDE PHOTOCATALYST, PROCESS
FOR PRODUCING THE SAME AND APPLICATION"**

To MAIL STOP PCT

Attention: DO/EO/US
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number **EV534966900US**

Date of Deposit **September 23, 2004**

I hereby certify that the following attached papers or fees

**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/
ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER**

**35 U.S.C. 371 (original and two (2) copies) and check in amount
of \$1,614.00 for filing fee and surcharge fee for late Declaration**

LETTER RECOGNIZING ATTORNEYS (1 p.)

PRELIMINARY AMENDMENT

WO 03/080244 – FRONT PAGE with ABSTRACT and SEARCH REPORT (4 pp.)

ENGLISH TRANSLATION OF PCT/JP03/03401 (53 pp.)

FOUR (4) SHEETS OF DRAWINGS

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.

Nora Ann Pastrick

(Typed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

Application No. Not Yet Assigned
Paper Dated: September 23, 2004
In Reply to USPTO Correspondence of N/A
Attorney Docket No. 0149-045207

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : Not Yet Assigned
Applicant : **Katsumi OKADA et al.**
Filed : Concurrently Herewith
Title : **TITANIUM OXIDE PHOTOCATALYST,
PROCESS FOR PRODUCING THE SAME
AND APPLICATION**
International Application : No. PCT/JP03/03401
International Filing Date : 20 March 2003
Priority Dates Claimed : 25 March 2002; 05 November 2002; 21 January 2003

MAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER RECOGNIZING ATTORNEYS

Sir:

Enclosed are appropriate papers for initiating the national phase of the above-identified PCT application, comprising a specification, claims and drawings. A Preliminary Amendment is also enclosed.

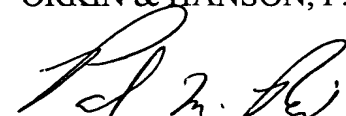
Please accept the application for purposes of granting a filing date and recognize, Russell D. Orkin, Paul M. Reznick and Richard L. Byrne Registration Nos. 25,363, 33,059 and 28,498, respectively, as attorneys in this application, pending the filing of a formal Declaration and Power of Attorney.

Kindly direct all communications relating to this application to **Russell D. Orkin.**

Respectfully submitted,

WEBB ZIESENHEIM LOGSDON
ORKIN & HANSON, P.C.

By



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